

ABSTRACT OF THE DISCLOSURE

An image pickup apparatus is provided having first and second image pickup portions for receiving at least first and second distinct wavelength components of object light, respectively, and first and second optical systems for guiding the first and second wavelength components to the first and second image pickup portions, respectively, via different optical paths. The first and second optical systems are formed to have respective shapes so that the focal length of the first optical system with regard to the first wavelength component is equal to the focal length of the second optical system with regard to the second wavelength component. When a virtual object distance, as defined as set forth herein, an interval between optical axes of the first and second optical systems is set such that a change in an interval between object images of the first and second wavelength components received by the first and second image pickup portions, respectively, between when an object exists at the virtual object distance and when it exists at infinity is smaller than a pixel pitch of the image pickup portions multiplied by two.